

UNL 2999.1  
PATENT**REMARKS**

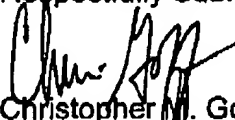
Claims 15-42 are currently pending. Claims 15, 28, 29, and 42 are amended herein. No new matter has been added by these amendments. After entry of this Amendment B After Final, claims 15-42 will be pending.

Pursuant to the telephone interview of September 4, 2003, between Examiner Swartz and applicants' representative Christopher Goff, claim 15 has been amended to remove the phrase "for immunizing an animal against bacterial infection;" claims 28 and 42 have been amended to remove the phrase "for immunizing an animal against *Mycobacterium paratuberculosis*;" and claim 29 has been amended to remove the phrase "for immunizing an animal against a bacteria." In the telephone interview, it was agreed that these amendments should overcome the remaining rejections under 35 U.S.C. 112, first paragraph.

In view of the amendments to claims 15, 28, 29, and 42, applicants submit that the rejection of the claims should be withdrawn. Allowance of all pending claims is respectfully requested.

The Commissioner is hereby authorized to charge a three month extension of time fee to Deposit Account No. 19-1345., to extend the time for reply to September 14, 2003. The Commissioner is also hereby authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. 19-1345.

Respectfully Submitted,



Christopher M. Goff, Reg. No. 41,785  
SENNIGER, POWERS, LEAVITT & ROEDEL  
One Metropolitan Square, 16th Floor  
St. Louis, Missouri 63102  
314-231-5400

**OFFICIAL**

CMG/dmt

Via Facsimile (703) 872-9307

**RECEIVED  
CENTRAL FAX CENTER****SEP 08 2003**